GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:2957
ANSWERED ON:13.12.2006
DE CONTAMINATION KIT
Jindal Shri Naveen

Will the Minister of ATOMIC ENERGY be pleased to state:

:

(a) whether the Bhabha Atomic Research Centre (BARC) has designed and developed a portable personnel de-contamination kit;

(b) if so, the salient features thereof;

(c) whether this kit has been designed for general public; and

(d) if so, the time by which it is likely to be launched along with the estimated price?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN)

(a) Yes, Sir. The Bhabha Atomic Research Centre [BARC] has designed and developed a Portable Personnel Decontamination Kit [PPDK].

(b) The PPDK is designed for removal of external contamination of people affected in case of any radiological emergency. Its tubular structure can be inflated/deflated and the complete system can be erected/packed in 20 minutes by 4 persons. It is equipped with batteries, inverters and pumps to work even in absence of electrical supply. It needs water supply which is to be provided by the first responders. It can decontaminate a person in about 3 to 4 minutes and is designed to decontaminate one person at a time. The whole PPDK gets packed and can be transported in eight rucksacks. The total weight of the packages is~150 kg.

(c) Yes, Sir. The PPDK is designed to be portable for providing basic decontamination services in public domain. However, currently, the decontamination facilities are available at various nuclear installations.

(d) The PPDK is already functional and can be used as and when required in public domain.A number of these facilities are being made and will be kept at various locations in the country as a part of emergency response. It will be made available shortly at 18 Emergency Response Centres developed by BARC in the country. The cost of one full PPDK is Rs. 4.00 lakh.